## **ABSTRACT**

Metoprolol manufacturing process with optimized reaction temperatures and reactant molar ratios, to avoid the manufacture of excessive epoxide intermediates, thus avoiding the need for purification of epoxide intermediates, thus achieving higher yields and higher-purity product than that seen in the prior art teachings.

10

5

SD:\lpca\metoprolol\10.xxx,xxx v2 (metoprolol mfg process).doc